

Converting Colors

YIQ(56.8870, 0.8620, 50.4780)

Have a look what the booklet for
YIQ(56.8870, 0.8620, 50.4780)
contains.

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Color

**YIQ(56.8870, 0.8620,
50.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	59188E
RGB	89, 24, 142
RGB Percent	35%, 9%, 56%
CMY	0.6507, 0.9060, 0.4432
CMYK	0.37, 0.83, 0.00, 0.44
HSL	273°, 71%, 33%
HSV	273°, 83%, 56%
XYZ	9.3323, 4.7312, 26.0037
YIQ	56.8870, 0.8620, 50.4780

Conversions

Conversions Part 2

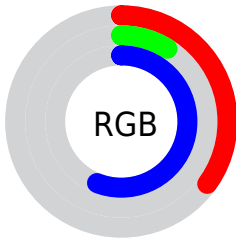
Format	Color
R_{YB}	89, 24, 142
Decimal	5838990
CIE _{Lab}	25.95, 49.83, -51.75
CIE _{LCh}	26, 71.839, 313.916
Yxy	4.7312, 0.2329, 0.1181
Android (android.graphics.Color)	4284029070 (0xFF59188E)
YUV	56.8870, 41.9607, 28.1631
Hunter-Lab	21.7513, 38.5196, -55.6553

Details

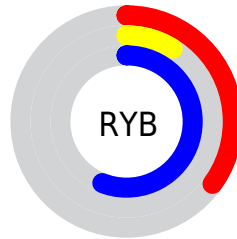
The YIQ color **56.8870, 0.8620, 50.4780** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **109.1130, -0.8620, -50.4780**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **110.7130, 1.4120, 51.5240**, and **20.2410, -9.5430, 35.2970** is the 20% darker color. If you saturate the color by 10%, you get **46.8750, 1.1360, 56.5280**, and if you desaturate by 10%, it is **66.8990, 0.5880, 44.4280**.

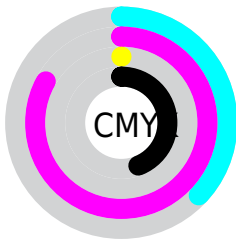
Distribution



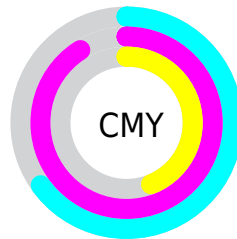
- Red (35%)
- Green (9%)
- Blue (56%)



- Red (35%)
- Yellow (9%)
- Blue (56%)



- Cyan (37%)
- Magenta (83%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (91%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.8870, 0.8620, 50.4780 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 56.8870, 0.8620, 50.4780 by changing the saturation by 10% instead.

■ 56.8870, 0.8620,
50.4780

■ 56.8870, 0.8620,
50.4780

■ 255.0000, -0.0000,
-0.0000

■ 31.7620, -0.2840,
49.2200

■ 110.7130, 1.4120,
51.5240

■ 20.2410, -9.5430,
35.2970

■ 137.5390, 1.9620,
52.5700

■ 7.5240, -21.1860,
20.5260

■ 164.7780, 2.7870,
54.1390

■ 6.6630, -14.6280,
11.8040

■ 189.4120, 12.3250,
46.4770


■ 2.9810, -7.0160,
6.0080


■ 213.3230, 19.5250,
37.1330


■ 0.0000, 0.0000,
0.0000

■ 229.7590, 11.8250,


22.4890


 246.7820, 3.8500,
7.3220


 56.8870, 0.8620,
50.4780

 56.8870, 0.8620,
50.4780


 46.8750, 1.1360,
56.5280


 66.8990, 0.5880,
44.4280

 39.5100, 0.9060,
60.6980

 77.2100, 0.9100,
38.5900

 87.8090, 0.3610,
32.0170

 98.1200, 0.6830,
26.1790

 108.1320, 0.4090,
20.1290

■ 118.1440, 0.1350,
14.0790

■ 128.4550, 0.4570,
8.2410

■ 139.0540, -0.0920,
1.6680

■ 149.0660, -0.3660,
-4.3820

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.8880, -71.9410, 20.7550



56.8870, 0.8620, 50.4780



52.1630, 52.9910, 58.3910

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.8870, 0.8620, 50.4780



58.0760, 46.4000, -3.9040



57.4650, -50.2020, -15.3060

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.8870, 0.8620, 50.4780



109.1130, -0.8620, -50.4780

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.1520, -30.9880, -33.1320



56.8870, 0.8620, 50.4780



55.1760, 13.1630, -23.8050

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.8870, 0.8620, 50.4780



40.0660, 79.8640, 28.4080



44.6120, -20.9000, -39.7480



63.2790, -66.5730, 0.5550

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8870, 0.8620, 50.4780



51.3480, 71.1030, 49.5270



44.6120, -20.9000, -39.7480



55.2990, -44.1030, -21.2150

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.8870, 0.8620, 50.4780



150.7190, 0.1340, 19.6060



68.5630, -52.4530, 8.9790



71.6770, -0.0480, 11.8880



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8870, 0.8620, 50.4780



51.1750, 1.1320, 78.6360



72.0500, 34.3760, 59.8480



65.9940, 0.1370, 3.0250



37.8150, 1.3650, 57.8850



2.1080, -0.1840, 3.3360

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.3240, 53.3150, 41.4990



64.3640, 83.3420, 64.5100



93.9500, -34.3760, -59.8480



66.4350, 3.2090, 2.4170



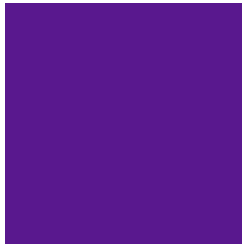
47.3190, 60.8790, 47.5910



2.7340, 3.8050, 2.6290

Previews

White Background



This preview shows how the YIQ color 56.8870, 0.8620, 50.4780 looks on a white background.

Color Contrast Check

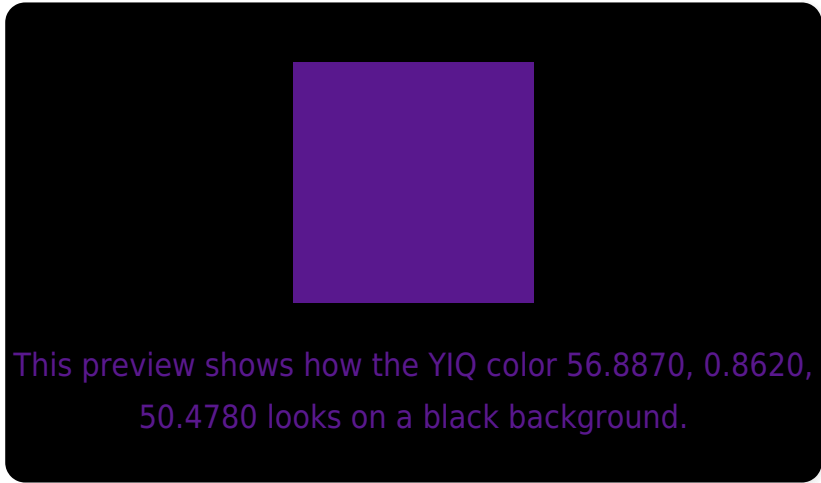
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

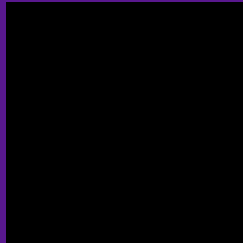
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 56.8870, 0.8620, 50.4780

Background



This preview shows how black text looks on a background with the YIQ color 56.8870, 0.8620, 50.4780.



This preview shows how white text looks on a background with the YIQ color 56.8870, 0.8620,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.8870, 0.8620, 50.4780

Protanopia

50.3990, -57.8630, 7.9050

Deuteranopia

50.1080, -52.9100, 0.7380



Tritanopia

63.6420, 7.0600, 4.2120

Trichromacy



Original Color

56.8870, 0.8620, 50.4780

Protanomaly

52.9060, -36.8210, 23.0430

Deuteranomaly

52.2390, -33.5650, 19.0990

Tritanomaly

61.1110, 4.9020, 21.3020

Monochromacy



Original Color

56.8870, 0.8620, 50.4780

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

57.0780, 0.5010, 18.4610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.8870, 0.8620, 50.4780 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(89, 24, 142)` looks like.

```
.text, #text, p{  
    color:rgb(89, 24, 142)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(89, 24, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 24, 142) }
```

Border

The CSS property to change the border of an element to YIQ 56.8870, 0.8620, 50.4780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 24, 142) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(89, 24, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(89, 24, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 24, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 24, 142);  
box-shadow:4px 4px 4px 4px rgb(89, 24,  
142) }
```

Background

The CSS property to change the background color of an element to YIQ 56.8870, 0.8620, 50.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 24, 142) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(89, 24,  
142) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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